

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/892,071

DATE: 08/13/2001

TIME: 11:41:00

Input Set : N:\Crif3\RULE60\09892071.txt

Output Set: N:\CRF3\08132001\I892071.raw

ENTERED

4 <110> APPLICANT: Pierschbacher, Michael D.
 5 Ruoslahti, Erkki I.
 7 <120> TITLE OF INVENTION: Conformationally Stabilized Cell
 8 Adhesion Peptides
 10 <130> FILE REFERENCE: P-LA 3637
 12 <140> CURRENT APPLICATION NUMBER: US 09/892,071
 13 <141> CURRENT FILING DATE: 1991-06-26
 15 <150> PRIOR APPLICATION NUMBER: US 09/356,991
 16 <151> PRIOR FILING DATE: 1999-03-04
 18 <150> PRIOR APPLICATION NUMBER: US 08/124,992
 19 <151> PRIOR FILING DATE: 1993-09-31
 21 <150> PRIOR APPLICATION NUMBER: US 08/048,576
 22 <151> PRIOR FILING DATE: 1993-04-15
 24 <150> PRIOR APPLICATION NUMBER: US 07/803,797
 25 <151> PRIOR FILING DATE: 1991-12-16
 27 <160> NUMBER OF SEQ ID NOS: 1
 29 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 31 <210> SEQ ID NO: 1
 32 <211> LENGTH: 10
 33 <212> TYPE: PRT
 34 <213> ORGANISM: Artificial Sequence
 36 <220> FEATURE:
 37 <223> OTHER INFORMATION: sythetic peptide
 39 <221> NAME/KEY: MOD_RES
 40 <222> LOCATION: 1
 41 <223> OTHER INFORMATION: Xaa=Penicillamine (Pen)
 43 <221> NAME/KEY: DISULFID
 44 <222> LOCATION: (1)...(9)
 46 <400> SEQUENCE: 1

W--> 47 Gly Xaa Gly Arg Gly Asp Ser Pro Cys Ala

48 1 10

50 <210> SEQ ID NO: 1

51 <211> LENGTH: 11

52 <212> TYPE: PRT

53 <213> ORGANISM: Artificial Sequence

54 <220> FEATURE:

55 <223> OTHER INFORMATION: sythetic peptide

57 <221> NAME/KEY: MOD_RES

58 <222> LOCATION: 1

59 <223> OTHER INFORMATION: Xaa=Penicillamine (Pen)

61 <221> NAME/KEY: DISULFID

63 <222> LOCATION: (1)...(10)

65 <400> SEQUENCE: 2

W--> 66 Gly Xaa Gly Glu Arg Gly Asp Lys Arg Cys Ala

67 1 10

69 <210> SEQ ID NO: 1

70 <211> LENGTH: 8

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71 <210> TYPE: PRT
 72 <213> ORGANISM: Artificial Sequence
 74 <210> FEATURE:
 75 <213> OTHER INFORMATION: sythetic peptide
 77 <211> NAME/KEY: BINDING
 78 <212> LOCATION: (1 ... (7)
 79 <213> OTHER INFORMATION: cyclized by peptide bond
 81 <400> SEQUENCE: 3
 82 Gly Arg Gly Asp Ser Pro Asp Gly
 83 1 5
 85 <210> SEQ ID NO: 4
 86 <211> LENGTH: 4
 87 <212> TYPE: PRT
 88 <213> ORGANISM: Artificial Sequence
 90 <210> FEATURE:
 91 <213> OTHER INFORMATION: sythetic peptide
 93 <211> NAME KEY: MOD_RES
 94 <212> LOCATION: 4
 95 <213> OTHER INFORMATION: Xaa-(D) Ser
 97 <400> SEQUENCE: 4

W--> 98 Arg Gly Asp Xaa

99 1 5
 101 <210> SEQ ID NO: 5
 102 <211> LENGTH: 6
 103 <212> TYPE: PRT
 104 <213> ORGANISM: Artificial Sequence
 106 <210> FEATURE:
 107 <213> OTHER INFORMATION: sythetic peptide
 109 <400> SEQUENCE: 1
 110 Phe Arg Gly Asp Ser Pro
 111 1 5
 113 <210> SEQ ID NO: 6
 114 <211> LENGTH: 6
 115 <212> TYPE: PRT
 116 <213> ORGANISM: Artificial Sequence
 118 <210> FEATURE:
 119 <213> OTHER INFORMATION: sythetic peptide
 121 <400> SEQUENCE: 6
 122 Gly Arg Gly Asp Ser Phe
 123 1 5
 125 <210> SEQ ID NO: 7
 126 <211> LENGTH: 6
 127 <212> TYPE: PRT
 128 <213> ORGANISM: Artificial Sequence
 130 <210> FEATURE:
 131 <213> OTHER INFORMATION: sythetic peptide
 133 <400> SEQUENCE: 7
 134 Phe Arg Gly Asp Ser Phe
 135 1 5

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137 <210> SEQ ID NO: 4
 138 <211> LENGTH: 10
 139 <212> TYPE: PRT
 140 <213> ORGANISM: Artificial Sequence
 141 <220> FEATURE:
 142 <221> OTHER INFORMATION: sythetic peptide
 143 <221> NAME KEY: MOD_RES
 144 <222> LOCATION: 1
 145 <223> OTHER INFORMATION: Xaa=Penicillamine(Pen)
 146 <400> SEQUENCE: *

W--> 150 Gly Xaa Gly Arg Gly Asp Ser Pro Cys Ala

151 1 10
 152 <210> SEQ ID NO: 5
 153 <211> LENGTH: 32
 154 <212> TYPE: PRT
 155 <213> ORGANISM: Artificial Sequence
 156 <220> FEATURE:
 157 <221> OTHER INFORMATION: sythetic peptide
 158 <221> NAME KEY: MOD_RES
 159 <222> LOCATION: 1,5, 8,11,23,26,29,32
 160 <223> OTHER INFORMATION: Xaa=hydroxyproline(Hyp)
 161 <400> SEQUENCE: *

W--> 166 Pro Xaa Gly Pro Xaa Gly Pro Xaa Gly Ala Pro Gly Leu

167 1 10 15

W--> 168 Arg Gly Asp Thr Gly Pro Xaa Gly Pro Xaa Gly Pro Xaa Gly Pro Xaa

169 20 25 30

170 Gly
 171 <210> SEQ ID NO: 10
 172 <211> LENGTH: 18
 173 <212> TYPE: PRT
 174 <213> ORGANISM: Artificial Sequence
 175 <220> FEATURE:
 176 <221> OTHER INFORMATION: sythetic peptide
 177 <221> NAME KEY: MOD_RES
 178 <222> LOCATION: 1
 179 <223> OTHER INFORMATION: Xaa= Succinyl-alanine;
 180 (SuccAla)
 181 <221> NAME KEY: MOD_RES
 182 <222> LOCATION: 1,13,16
 183 <223> OTHER INFORMATION: Aib
 184 <400> SEQUENCE: 10

W--> 191 Xaa Leu Glu Glu Xaa Ala Lys Arg Gly Asp Ser Leu Xaa Gly Lys Xaa

192 1 5 10 15

193 Ala Lys
 194 <210> SEQ ID NO: 11
 195 <211> LENGTH: 9
 196 <212> TYPE: PRT
 197 <213> ORGANISM: Artificial Sequence
 198 <220> FEATURE:

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Input Set : N:\Crif3\RULE60\09892071.txt

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203 <223> OTHER INFORMATION: sythetic peptide
 204 <211> NAME KEY: IND_FES
 205 <212> LOCATION: 1
 206 <213> OTHER INFORMATION: Xaa=Penicillamine(Pen)
 208 <400> SEQUENCE: 11

W--> 209 Gly Xaa Gly Arg Gly Asp Ser Pro Cys

210 1 10
 211 <210> SEQ ID NO: 12
 212 <211> LENGTH: 9
 213 <212> TYPE: PRT
 214 <213> ORGANISM: Artificial Sequence
 215 <214> FEATURE:
 216 <215> OTHER INFORMATION: sythetic peptide
 217 <211> NAME KEY: IND_FES
 218 <212> LOCATION: 1
 219 <213> OTHER INFORMATION: Xaa=cyclo-(1-7)Gly
 220 <400> SEQUENCE: 1

W--> 225 Xaa Arg Gly Asp Ser Pro Asp Gly

226 1 10
 227 <210> SEQ ID NO: 13
 228 <211> LENGTH: 11
 229 <212> TYPE: PRT
 230 <213> ORGANISM: Artificial Sequence
 231 <214> FEATURE:
 232 <215> OTHER INFORMATION: sythetic peptide
 233 <211> NAME KEY: IND_FES
 234 <212> LOCATION: 1
 235 <213> OTHER INFORMATION: Xaa=pencillamine(Pen)
 236 <211> NAME KEY: BINDING
 237 <212> LOCATION: 10... 10
 238 <213> OTHER INFORMATION: peptide bridge
 239 <400> SEQUENCE: 1

W--> 245 Gly Xaa Gly His Arg Gly Asp Leu Arg Cys Ala

246 1 10
 247 <210> SEQ ID NO: 14
 248 <211> LENGTH: 8
 249 <212> TYPE: PRT
 250 <213> ORGANISM: Artificial Sequence
 251 <214> FEATURE:
 252 <215> OTHER INFORMATION: sythetic peptide
 253 <211> NAME KEY: BINDING
 254 <212> LOCATION: 1
 255 <213> OTHER INFORMATION: t-butylloxycarbonyl (t-Boc)
 256 <211> NAME KEY: IND_FES
 257 <212> LOCATION: 1
 258 <213> OTHER INFORMATION: Xaa=Arg(4-toluenesulphonyl; Tos)
 259 <211> NAME KEY: IND_FES
 260 <212> LOCATION: 4
 261 <223> OTHER INFORMATION: Xaa=Asp (O-benzyl ester;OBzl)

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Input Set : N:\Crif3\RULE60\09892071.txt

Output Set: N:\CRF3\08132001\I892071.raw

268 <121> NAME/KEY: MOD_RES
 269 <122> LOCATION: 5
 270 <123> OTHER INFORMATION: Xaa=Ser(benzyl; Bzl)
 271 <121> NAME/KEY: MOD_RES
 272 <122> LOCATION: 7
 273 <123> OTHER INFORMATION: Xaa=Asp(t-butyl ester; OtBu)
 274 <121> NAME/KEY: BINDING
 275 <122> LOCATION: (1)...(8)
 276 <123> OTHER INFORMATION: phenylacetamidomethyl(PAM)
 277 <400> SEQUENCE: 14
 W--> 281 Gly Xaa Gly Xaa Xaa Pro Xaa Gly
 282 1
 283 <121> SEQ ID NO: 15
 284 <122> LENGTH: 8
 285 <123> TYPE: CRT
 286 <124> ORGANISM: Artificial Sequence
 287 <125> FEATURE:
 288 <123> OTHER INFORMATION: synthetic peptide
 289 <121> NAME/KEY: BINDING
 290 <122> LOCATION: 1
 291 <123> OTHER INFORMATION: Hydrogen
 292 <121> NAME/KEY: MOD_RES
 293 <122> LOCATION: 3
 294 <123> OTHER INFORMATION: Xaa=Arg (4-toluenesulphonyl; Tos)
 295 <121> NAME/KEY: MOD_RES
 296 <122> LOCATION: 4
 297 <123> OTHER INFORMATION: Xaa=Asp(Benzyl ester; OBzl)
 298 <121> NAME/KEY: MOD_RES
 299 <122> LOCATION: 5
 300 <123> OTHER INFORMATION: Xaa=Ser (benzyl; Bzl)
 301 <121> NAME/KEY: MOD_RES
 302 <122> LOCATION: 7
 303 <123> OTHER INFORMATION: Xaa=Asp (hydroxide; OH)
 304 <121> NAME/KEY: BINDING
 305 <122> LOCATION: (1)...(8)
 306 <123> OTHER INFORMATION: Phenylacetamidomethyl; (PAM)
 307 <400> SEQUENCE: 1'

W--> 317 Gly Xaa Gly Xaa Xaa Pro Xaa Gly

318 1

VERIFICATION SUMMARY

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Input Set : N:\Crf3\RULE60\09892071.txt

Output Set: N:\CRF3\08132001\I892071.raw

L:47 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:66 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:98 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:150 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:191 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:245 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:281 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15